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       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /EMC Celerra SIDS3

2: /EMC Celerra SIDS3

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5: /EMC Celerra SIDS3

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Copyright (c) 1993 - 2006 Biocceleration Ltd.
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/RMC_Celerra_SIDSJ/ptodata/2/iaa/6_COMB.pep:*
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US-09-439-856-5
US-09-949-016-5959
5171840-7
5480796-7
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5180796-7
US-09-313-942-26

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5171840-6

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US-09-313-942-16

US-09-949-016-9852

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Patent No. 5480796
Sequence 15, Appl
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Patent No. 5171840
Patent No. 5480796
Sequence 26, Appl
Sequence 24, Appl
Sequence 37, Appl
Sequence 38, Appl
Patent No. 5171840
Patent No. 5480796
Sequence 16, Appl
Sequence 16, Appl
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Patent No. 5171840
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Best Local Similarity
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Result No.

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934	934	934	934	935	935	935	935	935	938.5	938.5	938.5	938.5	938.5		38	938.5	938.5	938.5
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Sequence	Patent No.	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Patent No.	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
1, Appli	. 5186931	2, Appli	2, Appli	145, App	145, App	145, App	145, App	145, App	10315, A	. 5510472	13, Appl	6, Appli	27, Appl	45, Appl	6, Appli	7, Appli	9, Appli	9, Appli

ALIGNMENTS

# Sequence 8, Application US/09313942 Patent No. 6472179 GENERAL INFORMATION: APPLICANT: REGENERON PHARMACEUTICALS, INC. ITITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF INTITLE OF INVENTION: AND USING FILE REFERENCE: RES 203-A CURRENT FILING DATE: 1999-05-19 PRIOR APPLICATION NUMBER: 09/313,942 PRIOR APPLICATION NUMBER: 60/101,858 PRIOR APPLICATION NUMBER: 60/101,858 PRIOR APPLICATION NUMBER: 609-25 PRIOR APPLICATION NUMBER: 609-25 NUMBER OF SEQ ID NOS: 32 SOFTWARE: FastSEQ for Windows Version SEQ ID NO 8 LENGTH: 592 TYPE: PRT ORGANISM: Homo sapiens 3.0 OF MAKING

Query Match Best Local Matches 37	Query Match 67.1%; Score 1921; DB 2; Length 592; Best Local Similarity 77.1%; Pred. No. 8.3e-151; Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;
γŞ	1 MIAVGCALLAAILAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
Дb	1 MVAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
γQ	61 VLRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCYRAGRPAGTVHLLVDVPPEEPQLS 120
Db	61 VLRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCYRAGRPAGTVHLLVDVPPBEFQLS 120
δδ	121 CFRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQYSQESQKFSCQLAV 180
Db	121 CFRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQYSQESQKFSCQLAV 180
40	181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGILQPDPPANITVTAVARNPRWLSVTWQD 240
Db	181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGILQPDPPANITVTAVARNPRWLSVTWQD 240
δ	241 PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ 300
Вb	241 PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ 300
Qy	301 GEWSEWSPEAMGTEWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVEFMP 360

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US-10-282-162-8
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Best Local S
Matches 377
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 8
LENGTH: 592
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-B-US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
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    383
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                                       419 NNLNLPKMAEKDGCFQSGFNEETCLVKIIT---GLLEFEVYLEYLQ---NRFESSEEQAR 472
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PSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVBVHNAKTKPREEQYN
                                                                                                                      VPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCE--SSKEALAE
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                                                                                                                                                            GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVQ---
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                                                                                 -- KSCDKTHTCPPCPAPELLGG
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RESULT 3
US-08-795-473B-5
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Best Local
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TELEFAX: (212)-997-1037
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: DAVISSON, Clifford M.
REGISTRATION NUMBER: 32,728
REFERENCE/DOCKET NUMBER: 963.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)-997-1028
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MS-DOS EDITOR
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/795,473
FILING DATE: 11-FEB-1997
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LENGTH: 468 amino acids
TYPE: amino acid
TOPOLOGY: unknown
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APPLICANT: Nahot, Orit
APPLICANT: Nahot, Orit
APPLICANT: Blum, Herbert E.
TITLE OF INVENTION: A Pharmaceutical Composition for Treating
TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: New York
STATE: New York
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GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVEFMP
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                                                         PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ
                                                                                                                           PEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGILQPDPPANITVTAVARNPRWLSVTWQD
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Pred. No. 1e-150;
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/795,47
FILING DATE: 11-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Davidson, Clifford M.
REGISTRATION UNMBER: 32,728
REFERENCE/DOCKET NUMBER: 963.
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APPLICANT: Galun, Eithan
APPLICANT: Nahot, Orit
APPLICANT: Nahot, Orit
APPLICANT: Nerbert E.
TITLE OF INVENTION: A Pharmaceutical Composition for Treating
TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 468 amino acids
TYPE: amino acid
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MEDIUM TYPE: 3.5 inch disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MS-DOS EDITOR
CURRENT APPLICATION DATA:
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STREET: New York
CITY: New York
TISA
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          PHSWNSSFYRLRFELRYRAERSKTFTTWWVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ
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1140 Avenue of the Americas
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(212)-997-1037
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Pred. No. 1e-150;
1; Mismatches 4;
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RESULT 6
5171840-2
;Patent No. 5171840
; APPLICANT: KISHIMOTO, TADAMITSU
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Patent No.
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TYPE: PRT
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GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASS

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF

FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR APPLICATION NUMBER: 60/231,498

PRIOR APPLICATION NUMBER: 60/231,498

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PRIOR APPLICATION NUMBER: 60/231,498
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5959
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                                                VPPGEDSKDVAAP 373
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Pred. No. 1e-150;
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RESULT 7
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FILLING DATE: 19-JAN-1989; SEQ ID NO:2:
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                                                                                                                                                                                                                                                                                          PATENT NO. 5480796

PATELCANT: KISHIMOTO, TADAMITSU
APPLICANT: KISHIMOTO, TADAMITSU
TITLE OF INVENTION: ANTIBODIBS AGAINST THE RECEPTOR PROTEIN
FOR HUMAN B CELL STIMULATORY FACTOR-2
NUMBER OF SEQUENCES: 8
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/907,650
FILING DATE: 02-UL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 298,694
FILING DATE: 19-JAN-1989
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Best Local Similarity
Matches 360; Conserv
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/09/313,942
CURRENT FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
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US-09-313-942-15
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PATENT NO. 6472179
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
TITLE OF INVENTION: AND USING
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                      355; Conservative
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                         GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVE 357
                                                                                          PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ
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 GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVQ
                                                                   PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ
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RESULT

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RESULT 10
5171840-7
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TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, ANI
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ 1D NOS: 56
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-15
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; PATERIT NO. 5171840

; APPLICANT: KISHMOTO, TADAMITSU

; TITLE OF INVENTION: RECEPTOR PROTEIN FOR HUMAN B CELL

;STIMULATORY FACTOR-2

;STIMULATORY FACTOR-2

; NUMBER OF SEQUENCES: 11

; CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/298,694
                                                                                                                                                                             SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15, Applica Patent No. 6927044 GENERAL INFORMATION:
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Best Local Similarity 99.4%;
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                                                                                    Query Match
Best Local &
                                                                        Matches
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                                                                                                                                                                             NO:7:
                                                                                                                                                                                            FILING DATE:
                                                                                                                                                              LENGTH: 344
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                                                                    tch 64.7%; Sc
al Similarity 100.0%; P
344; Conservative 0;
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                                                                      Score 1852; DB 7;
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0; Mismatches 0;
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Pred. No. 3.2e-150;
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RESULT 11
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Best Local Similarity
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TITLE OF INVENTION: ANTIBODIES AGAINST THE RECEPTOR PROTEIN
FOR HUMAN B CELL STIMULATORY FACTOR-2
NUMBER OF SEQUENCES: 8
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/907,650
FILING DATE: 02-UUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 298,694
FILING DATE: 19-JAN-1989
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                  GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNIL 344
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 GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNIL
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RESULT 12 US-09-313-942-26

Sequence 26, Application Patent No. 6472179
GENERAL INFORMATION:

US/09313942

APPLICANT: REGENERON PHARMACEUTICALS,

240

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120 60

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TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AN TITLE OF INVENTION: AND USING FILE REFERRENCE: REG 203-B-US CURRENT APPLICATION NUMBER: US/10/282,162 CURRENT FILING DATE: 2002-10-28 PRIOR APPLICATION NUMBER: 09/787,835 PRIOR FILING DATE: 1999-09-22 PRIOR FILING DATE: 1999-09-22 PRIOR APPLICATION NUMBER: PCT/US99/22045 PRIOR APPLICATION NUMBER: PCT/US99/22045 PRIOR FILING DATE: 1999-09-22 NUMBER OF SEQ ID NOS: 56 SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT; ORGANISM: Homo sapiens US-09-313-942-26
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                                                                                                                                          SEQ ID NO 26
LENGTH: 1158
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 26, Application US/10282162
Patent No. 6927044
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACBUTICALS, INC.
                   Query Match 62.5%;
Best Local Similarity 99.1%;
Matches 331; Conservative
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Best Local Similarity
                                                                                                    ORGANISM: Homo sapiens
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99.1%;
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                   Score 1788; DB 2;
Pred. No. 2.5e-139;
2; Mismatches 1;
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Pred. No. 2.5e-139;
2; Mismatches 1; Indels 0
                                                         DB 2; Length 1158;
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PALENT NO. 6472179
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 24
LENGTH: 1168
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Best Local Similarity
Matches 330; Conserv
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CURRENT FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
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1; Mismatches 0;
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Sequence 24, Application US/10282162

Patent No. 6927044

GENERAL INFORMATION:

APPLICANT: REGENERON PHARMACEUTICALS, INC.

ITILE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING

TITLE OF INVENTION: AND USING

FILE REFERENCE: REG 203-B-US

CURRENT APPLICATION NUMBER: US/10/282,162

CURRENT FILING DATE: 2002-10-28

PRIOR APPLICATION NUMBER: 09/787,835

PRIOR APPLICATION NUMBER: PCT/US99/22045

PRIOR FILING DATE: 1999-09-22

INUMBER OF SEQ ID NOS: 56

SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; SEQ ID NO 24
; LENGTH: 1168
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-24
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US-10-282-162-24
Search completed: June 29, 2006, 20:55:16 Job time: 53 secs
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1: /EMC Celerra_SIDS3/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

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US-09-313-942-8
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GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPGSRRR
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	App	App	App	App.	App1	App.	App	, Ap	App	App	, Ap	App	App	App	App	App	App

ALIGNMENTS

## Sequence 14, Application US/1048545A Publication No. US20050064558A1 GENERAL INFORMATION: APPLICANT: University College Cardiff APPLICANT: University of Wales College of Me TITLE OF INVENTION: A Fusion Protein FILE REFERENCE: P102803PCT CURRENT APPLICATION NUMBER: US/10/485,545A CURRENT FILING DATE: 2004-02-02 PRIOR APPLICATION NUMBER: 00119015.6 PRIOR FILING DATE: 2001-08-03 NUMBER OF SEQ ID NOS: 15 SOFTWARE: SegWin99, version 1.02 SEQ ID NO 14 LENGTH: 569 TYPE: PRT ORGANISM: Artificial Sequence FEATURE US-10-485-545A-14 OTHER INFORMATION: IL-6 fusion protein Score 2772; Db ., No. 2.2e-206; of Medicine

Conservative

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Pred. No. 2.2 ), Mismatches

Length 569; Indels

20;

Gaps

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180

120

240

300 300 240

355

96.9%;

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Sequence 8, Application US/09313942
; Publication No. US2002001296ZA1
; GENERAL INFORMATION:
   APPLICANT: REGENERON PHARMACEUTICALS, INC.
   TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
   TITLE OF INVENTION: AND USING
   FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
   PRIOR APPLICATION NUMBER: 09/313,942
pRIOR APPLICATION NUMBER: 60/101,858
pRIOR FILING DATE: 1998-09-25
   NUMBER OF SEQ ID NOS: 32
; SOPTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
   TYPE: PRT
   ORGANISM: Homo sapiens
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Matches 377
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Sequence 8, Application US/09935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc
; APPLICANT: Regeneron Pharmaceuticals, Inc
; TITLE OF INVENTION: Receptor Based Antagonists, and Methods of ;
FILE REFERENCE: REG 203D
; CURRENT APPLICATION NUMBER: US/09/935,868
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR PILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
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Matches 377; Conservative
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STYRVVSVL
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                                                                     PSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN
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RESULT 4 US-10-287-035-8 ; Sequence 8, Apr

Application US/10287035

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GENERAL INFORMATION:
APPLICANT: Neil Stahl and George D. Yancopoulos
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, ANI
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203DA
CURRENT APPLICATION NUMBER: US/10/287,035
CURRENT APPLICATION NUMBER: USSN 09/935,868
PRIOR APPLICATION NUMBER: USSN 09/787,835
PRIOR APPLICATION NUMBER: USSN 09/787,835
PRIOR APPLICATION NUMBER: USSN 09/787,835
PRIOR APPLICATION NUMBER: USSN 09/313,942
PRIOR FILING DATE: 2001-03-22
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR PILING DATE: 1999-05-19
PRIOR PILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 60
US-10-282-162-8
US-10-282-162-8
; Sequence 8, Application US/10282162
; Publication No. US20030143697A1
; GENERAL INFORMATION:
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US-10-287-035-8
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Best Local Similarity
Matches 377; Conserv
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SEQ ID NO 8
LENGTH: 592
TYPE: PRT
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APPLICANT: REGENERON PHARMACEUTICALS,

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RESULT 6
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US-10-282-162-8
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Sequence 8, Application US/11134114
Publication No. US20050222033A1
GENERAL INFORMATION:
APPLICANT: Stahl, Neil
APPLICANT: Yancopoulos, George D.
TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
FILE REFERENCE: 203C1
CURRENT APPLICATION NUMBER: US/11/134,114
CURRENT FILING DATE: 2005-05-20
PRIOR APPLICATION NUMBER: 10/282,162
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 2001-03-22
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LENGTH: 592
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 3.0
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                                                                                                                                                                                                                                                                                                                      STYRVVSVL
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77.1%;
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; Pred. No. 3.1e-140;
22; Mismatches 44;
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US-10-247-463-12
US-10-247-463-12
Sequence 12, Application US/10247463
Publication No. US20030082734A1
GENERAL INFORMATION:
APPLICANT: Dowling, Lynette M.
APPLICANT: Timans, Jacqueline C.
APPLICANT: Gorman, Daniel M.
APPLICANT: Kastelein, Robert A.
APPLICANT: Bazan, J. Fernando
ITITLE OF INVENTION: Mammalian Receptor Proteins; Related Reagents and TITLE OF INVENTION: Methods
FILE REFERENCE: DX0992Q
CURRENT APPLICATION NUMBER: US/10/247,463
CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: US/09/588,113
PRIOR FILING DATE: 2000-05-31
NUMBER OF SEQ ID NOS: 13
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Best Local Similarity
Matches 377; Conserv
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77.1%;
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Pred. No. 3.1e-140;
2; Mismatches 44; Indels 4
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; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5377
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US-10-756-149-5377
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; TYPE: PRT
; ORGANISM: primate
US-10-247-463-12
                                                                                                                                                                                                                                                                                                                              APPLICANT: Aziz, Natasha
APPLICANT: Zlotnik, Albert
APPLICANT: Zlotnik, Albert
TITLE OF INVENTION: METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
FILE REPERENCE: file
CURRENT APPLICATION NUMBER: US/10/756,149
CURRENT FILING DATE: 2004-01-12
NUMBER OF SEQ ID NOS: 5818
SOPTWARE: Patentin version 3.2
SEQ ID NO 5377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5377, Application US/10756149 Publication No. US20050181375A1 GENERAL INFORMATION:
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SEQ ID NO 12
LENGTH: 468
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Best Local Similarity
Matches 360; Conserv
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Best Local Similarity 96.8
Matches 360; Conservative
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96.5%;
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Pred. No. 3.8e-140;
1; Mismatches 4;
                                                                                                                                                                                                    Score 1918; DB 5;
Pred. No. 3.8e-140;
                                                                                                                                                                                       Mismatches
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; LENGTH: 468
; TYPE: PRT
; ORGANISM: primate
US-11-016-106-12
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US-11-016-106-12
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Matches 360; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Timans, Jacqueline C.
APPLICANT: Gorman, Daniel M.
APPLICANT: Kastelein, Robert A.
APPLICANT: Bazan, J. Fernando
TITLE OF INVENTION: Methods
FILLE REFERENCE: DX0992Q
CURRENT APPLICATION NUMBER: US/11/016,106
CURRENT APPLICATION NUMBER: US/11/016,106
FILOR APPLICATION NUMBER: PRIROR APPLICATION NUMBER: PRIROR FILING DATE: 2004-12-17
PRIOR FILING DATE: 2000-05-31
PRIOR FILING DATE: 2000-05-31
NUMBER OF SEQ ID NOS: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Dowling, Lynette M. APPLICANT: Timans, Jacqueline APPLICANT: Gorman, Daniel M.
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                      GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVEFMP 360
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                                                                                          PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ 300
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nilarity 96.5%;
Conservative
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Pred. No. 3.8e-140;
1; Mismatches 4;
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Sequence 15, Application US/09935868
Patent No. US20020164690A1
GENERAL INFORMATION:
APPLICANT: Regeneron Pharmaceuticals, Inc
TITLE OF INVENTION: Receptor Based Antagonists, and
FILE REFERENCE: REG 203D
CURRENT APPLICATION NUMBER: US/09/935,868
CURRENT FILING DATE: 2002-04-11
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 52
SOFTWARE: Patentin version 3.0
SEQ ID NO 15
LENGTH: 360
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NUMBER OF SEQ ID NOS: 32

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 15

SEQ ID NO 15

LENGTH: 360

TYPE: PRT

ORGANISM: Homo sapiens

US-09-313-942-15
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US-09-313-942-15
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Publication No. US20020012962A1

GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: AND USING
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-A
CURRENT APPLICATION NUMBER: US/09/313,942
CURRENT FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
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Best Local Similarity
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Pred. No. 1.1e-139;
2; Mismatches 0;
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US-10-207-035-15
; Sequence 15, Application US/10287035
; Publication No. US20030104567A1
; GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/10/287,035

CURRENT FILING DATE: 2002-11-01

PRIOR PPLICATION NUMBER: USKN 09/935,868

PRIOR FILING DATE: 2001-08-23

PRIOR FILING DATE: 2001-03-22

PRIOR PPLICATION NUMBER: USKN 09/787,835

PRIOR APPLICATION NUMBER: USKN 09/313,942

PRIOR PILING DATE: 1999-05-19

PRIOR APPLICATION NUMBER: 09/313,942

PRIOR APPLICATION NUMBER: 09/215

PRIOR APPLICATION NUMBER: 09/215
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; ORGANISM: Homo
US-09-935-868-15
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US-10-287-035-15
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SOFTWARE: FRASTSEQ for Windows Version
SEQ ID NO 15
LENGTH: 360
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Best Local Similarity
Matches 355; Conserv
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Best Local Similarity 99.4%;
Matches 355; Conservative
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TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS,
TITLE OF INVENTION: AND USING
                                                                                                                                                                                                                                                                                                                          TYPE: PRT
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                                         VLRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCYRAGRPAGTVHLLVDVPPEEPQLS
                                                                                                  WAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW
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             VLRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCYRAGRPAGTVHLLVDVPPEEPQLS
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Pred. No. 1.1e-139;
2: Mismatches 0;
                                                                                                                                                                                    Score 1910; DB 4; Length 360; Pred. No. 1.1e-139; Indels 0; Indels
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Sequence 15, Application US/10282162
Publication NO. US20030143697A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT PILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
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US-10-282-162-15
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Best Local (
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Local Similarity 99.4%;
les 355; Conservative
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Pred. No. 1.1e-139;
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RESULT 14 US-11-134-114-15

Sequence 15,

Application US/11134114

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RESULT 15
US-10-485-545A-11
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CURRENT FILING DATE: 2005-05-20
PRIOR APPLICATION NUMBER: 10/282,162
PRIOR APPLICATION NUMBER: 10/282,162
PRIOR PRILING DATE: 2002-10-28
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: DCT/US99/22045
PRIOR PILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR FILING DATE: 1999-05-19
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APPLICANT: Stahl, Neil
APPLICANT: Yancopoulos, George D.
APPLICANT: Yancopoulos, George D.
TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
CURRENT APPLICATION NUMBER: US/10/485,545A
CURRENT FILING DATE: 2004-02-02
PRIOR APPLICATION NUMBER: 0119015.6
PRIOR FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 15
SOFTWARE: SegWin99, version 1.02
SEQ ID NO 11
LENGTH: 468
                                                                                                                                                                                     Sequence 11, Application US/10485545A
Publication No. US20050664558A1
GENERAL INFORMATION:
APPLICANT: University College Cardiff
APPLICANT: University of Wales College of Medicine
TITLE OF INVENTION: A PUSION PROTECTION
FILE REFERENCE: P102803PCT
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Best Local Similarity
Matches 355; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 56
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PRIOR FILING DATE: 1998-09-25
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Best Local Similarity 96.0
Matches 358; Conservative
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                                                                                 GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVEFMP
----QDSSSVPLP 365
                                                              GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPV----
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Pred. No. 6.7e-139;
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Search completed: June 29, 2006, 21:09:24 Job time : 188 secs This Page Blank (uspto)

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Post-processing: Minimum Match 0%
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Query
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US-10-511-937-2489

US-10-931-854-11

US-10-449-902-38075

US-11-296-192-32

US-11-296-155-32

US-11-296-155-32

US-11-297-134-8

US-11-297-134-8

US-11-251-465-21

US-11-251-465-21

US-11-251-465-65

US-11-251-465-65

US-11-251-465-68

US-11-251-465-68

US-11-251-465-99-149

US-11-246-99-149

US-11-246-99-149

US-11-246-99-149

US-11-253-330-333

US-11-253-330-333

US-11-253-330-333

US-11-254-182-39

US-11-254-182-39

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US-11-254-182-39

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Sequence 32, Appl
Sequence 432, Appl
Sequence 20, Appl
Sequence 20, Appl
Sequence 21, Appl
Sequence 54, Appl
Sequence 55, Appl
Sequence 56, Appl
Sequence 2988, Ap
Sequence 33, Appl
Sequence 33, Appl
Sequence 33, Appl
Sequence 333, Appl
Sequence 39, Appl
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Sequence 2489, Ap
Sequence 11, Appl
Sequence 38075, A
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      Sequence 2489, Application US/10511937
Publication No. US20060088836A1
GENERAL INFORMATION:
APPLICANT: EXPRESSION DIAGNOSTICS, INC
APPLICANT: Wohlgemuth, Jay
                                                                                                                                                                                                                                                                                            142
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Minimum Maximum

Result No.

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3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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US-10-449-902-56630	US-11-154-977-83	US-11-263-230-318	US-11-263-230-237	US-10-953-349-32069	US-11-154-977-81	US-11-154-977-6	US-11-263-230-255	US-11-263-230-249	US-11-263-230-245	US-11-263-230-229	US-10-511-937-2424	US-11-219-563-130	US-11-219-121-31	US-11-219-121-29	US-11-269-117-2	US-11-263-230-247	US-11-263-230-239	US-11-263-230-233	US-11-263-230-231
Sequence 56	Sequence 83,	Sequence 31	Sequence 237	Sequence 32	Sequence 81,	Sequence 6,	Sequence 25	Sequence 24	Sequence 245	Sequence 22	Sequence 242	Sequence 130	Sequence 31	Sequence 29,	Sequence 2,	Seguence 24	Sequence 239	Sequence 233	Sequence 231
56630, A		18, App	7, App	n	., Appl	Appli	5, App	-	-	•	4.	•	., Appl	, Appl	Appli	7, App	9, App	3, App	1, App

ALIGNMENTS

#### PRIOR APPLICATION NUMBER: US 60/363,019 PRIOR FILING DATE: 2002-03-07 NUMBER OF SEQ ID NOS: 866 SOFTWARE: Patentin 3.2 SEQ ID NO 453 LENGTH: 212 TYPET ; TYPE: PRT; ORGANISM: Homo sapiens US-10-505-928-453 RESULT 1 US-10-505-928-453 Query Match Best Local Similarity 97.9 Matches 187; Conservative Sequence 453, Application No. US200 GENERAL INFORMATION: APPLICANT: Ludwig Institute for Cancer Research TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES FILE REFERENCE: 28967/39178 CURRENT APPLICATION NUMBER: US/10/505,928 CURRENT FILLING DATE: 2004-08-27 533 LOSSLRALROM 543 473 AVQMSTKVLIQFLQKKAKNLDAITTPDPTTNASLLTKLQAQNQWLQDMTTHLILRSFKEF 532 354 LPVEF-MPVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESS 202 413 KEALAENNINIPKMAEKDGCFQSGFNEETCLVKIITGLLEFEVYLEYLQNRFESSEEQAR 472 82 22 LPAAFPAPVPPGEDSKDVAAPHROPLTSSERIDKQIRYILDGISALRKETCNKSNMCESS AVQMSTKVLIQFLQKKAKNLDAITTPDPTTNASLLTKLQAQNQWLQDMTTHLILRSFKEF KEALAENNLNLPKMAEKDGCFQSGFNEETCLVKIITGLLEFEVYLEYLQNRFESSEEQAR LOSSLRALROM 212 Application US/10505928 o. US20060088532A1 32.8%; 0 Score 938.5; DB 6 Pred. No. 6.1e-62; 0; Mismatches 3 з ; 9 et al. Indels Length 212;

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Gaps

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APPLICANT: MOORIE, MACDONALD
APPLICANT: ROSENDERG, Steven
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
CURRENT APPLICATION NUMBER: US/10/511,937
CURRENT FILING DATE: 2004-10-19
PRIOR APPLICATION NUMBER: PCT/US2003/012946
PRIOR APPLICATION NUMBER: US 10/131,831
PRIOR APPLICATION NUMBER: US 10/131,831
PRIOR APPLICATION NUMBER: US 10/325,899
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: US 10/325,899
PRIOR FILING DATE: 2002-12-20
NUMBER OF SEQ ID NOS: 3117
SOFTWARE: Patentin version 3.2
SEQ ID NO 2499
LENGTH: 212
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*Best Local Similarity 97.9%; 
Matches 187; Conservative
                                                                                                                                                                                                                  Sequence 11, Application US/10933854
Publication No. US20060105347A1
GENERAL INFORMATION:
APPLICANT: GTC Biotherapeutics, Inc.
APPLICANT: Cox, Geoffrey F.
APPLICANT: Cox, Geoffrey F.
TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal TITLE OF INVENTION: Milk
FILE REFERENCE: GTC-220 PCT
CURRENT APPLICATION NUMBER: US/10/933,854
CURRENT FILING DATE: 2004-09-03
PRIOR APPLICATION NUMBER: 60/500,910
PRIOR FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 35
NUMBER OF SEQ ID NOS: 35
NUMBER OF SEQ ID NOS: 35
                                                                                                                                                          SOFTWARE: PatentIn version 3.2
SEQ ID NO 11
LENGTH: 212
NAME/KEY: misc_feature
OTHER INFORMATION: Human a Interferon Variant 2A
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Genbank/EMBL/DDBJ Accession
DATABASE ENTRY DATE: 1993-12-03
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                                                                                                                                                TYPE: PRT
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Pred. No. 6.1e-62;
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; ORGANISM: Oryza sativa
US-10-449-902-38075
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 38075
LENGTH: 368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 38075, Application US/10449902 Publication No. US20060123505A1 GENERAL INFORMATION:
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Best Local
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/05-29
PRIOR APPLICATION NUMBER: US/05-29
PRIOR APPLICATION NUMBER: J203-05-29
PRIOR APPLICATION NUMBER: J203-05-29
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                                                                                                                                                                                                                                                                                                                                                        72 SRWAGWGRRILLRSVQLHDSGNYSCYRAG----RPAGTVHLLVDVPPEEPQLSCFRKSPL 127
                                                                                                                                                                                                                                                                                                                                                                                                           12 VLAAGVVAYAORH---SQQDTHVLYERLGSDVTLPC-GTAAWGTAVTWRVNGTDLEAAHY 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                       12 LLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWVLRKPAAGSHP
                                                                                                                                                                                                                                                       SNVVCEW---GPRSTPSLTTKAVLLVRKF---QNSPAEDFQEPCQYSQESQKFSCQLAVP 181
                                                                                                                                                                                                                                                                                                         N-----GSQLVLEGLDLSHSGHYACYQGSSWHLRYQALLH--VGMPPREPVLTCRSNSYP 120
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                                               PHSW-NSSFYRLRFELRYRAERSKTFTTWMVKDLQHHC-----VIHDAWSGLRHVVQ 291
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                                                                                                    HLFSTVKYKVTLTVTNALGHN-STAITFDEFTIVKPDPPENVVARPVPSSPRRLEVTWQT
                                                                                                                                                EGDSSF-YIVSMCVASSVGSKFSKTQTFQGCGILQPDPPANITVTAVARNPRWLSVTWQD 240
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28.4%; Pred. No. 5.1e-15;
tive 44; Mismatches 148;
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Pred. No. 6.1e-62;
0; Mismatches 3
-LILDQWQHVELSDGTTHTITDAYAGKEYIIQ
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                                                                                                                              Matches
                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                          Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 120
EQ ID NO 32
                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: December 16, 1997 PRIOR APPLICATION NUMBER: 60/069,870 PRIOR FILING DATE: December 17, 1997
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CURRENT FILING DATE: 2005-12-07
PRIOR APPLICATION NUMBER: US/09/866,028
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PRIOR FILING DATE: December 3, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
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PRIOR FILING DATE: December 11, 199
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TYPE: PRT
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APPLICATION NUMBER: 60/069,694
FILING DATE: December 16, 1997
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  62 LRKPAAGSHPSRWAGMGRRL--
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                                                                                   8 LLAALLAAPGA-----ALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWV
                                                                                                                                                  Similarity
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                                             LLLCVLGAPRAGSGAHTAVISPQDP-----TLLIGSSLLATC-
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to. US20060105427A1
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                                                                                                                          7.0%; Score 201; DB 7;
24.7%; Pred. No. 1.8e-07;
tive 51; Mismatches 151
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  Remaining Prior F
NUMBER OF SEQ ID
SEQ ID NO 32
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Publication No. US20060127983A1
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                                                               PRIOR APPLICATION NUMBER: 60/069, PRIOR FILING DATE: December 17, 1
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PRIOR FILING DATE: December 11, 199
PRIOR APPLICATION NUMBER: 60/069,27
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CURRENT FILING DATE: 2005-12-06
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Wood, William
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Hillan, Kenneth
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Grimaldi, Christopher
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Filvaroff, Ellen
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D NOS: 120
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PRIOR FILING DATE: US 60/-
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PRIOR FILING DATE: 64
SOFTWARE: Patentin version 3.3
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US-11-297-134-8
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Publication No. US20060111297A1
GENERAL INFORMATION:
                                                                                                                                                                   Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/11/297,134
CURRENT FILING DATE: 2005-12-08
PRIOR APPLICATION NUMBER: PCT/US2005/018461
PRIOR FILING DATE: 2004-06-09
PRIOR APPLICATION NUMBER: US 60/477,291
                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Genzyme Corporation
APPLICANT: Roberts, Bruce
TITLE OF INVENTION: BLOOD FACTOR DOMAINS
FILE REFERENCE: 5270C
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                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                                                                               Local
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                                                                157 PABDFQBPCQYSQBSQKFSCQLA-VPBGDSSFYIVSMCVASSVGSKFSKTQTFQGCGILQ 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               346 PGGGACEPRGGEPSSGPVRRELKQFLGWLKKHAYCSNLSFR 386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          230 LDVVTTDPPPDVHVSRVGGLEDQLSVRWVSPPALKDFLFQAKYQIRYRVEDS---VDWKV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         154 -QNSPAEDFQEFCQYSQESQKFSCQLAVPEGDSSF--YIVSMCVASSVGSKFSKTQTFQG
                                     71
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                                                                                                                               98 RAGRPAGTVHLLVDVPPBEPQLSC-FRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQNS
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                                                                                                                                                                                  Similarity
   PDPPANITVTAVARNPRWLSVTWQDPHSWN-SSFYRLRFELRYRAERSKTF-----T 266
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                                  AARGHSWPC-LQQTPTSTSCTITDVQLFSMAPYVLNVTAVHPWGSS-SSFVPFITEHIIK 128
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                                                                                                 RKGPPAALT-----LPRVQCRASRYPIA-VDCSWTLPPAPNSTSPVSFIATYRLGM 70
                                                                                                                                                                   Conservative
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                                                                                                                                                               39;
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                                                                                                                                                                               Score 139; DB 7; Length 229; Pred. No. 0.0029;
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US-10-505-928-432
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PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 866
SOFTWARE: PATENTIN 3.2
SEQ ID NO 432
LENGTH: 885
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 395 ISALRKETCNKSNMCESSKEALAENNLNLPKMAEKDG-CFQSGFNEE-TCLVKIITGLLE 452
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Sequence 432, Application US/10505928
publication No. US20060088532A1
GENERAL INFORMATION:
APPLICANT: Ludwig Institute for Cancer Research
TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REFERENCE: 28967/39178
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
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502 ATLNSLGISEELK-----EKLRDVMVDRHKVALGKTLGEGEFGAVMEGQLNQDDSILKVA
                                                                                                                                      446 LGAVVAAACVLILALFLVHRRKKETRYGEVFEP----TVERGELVVRYRVRKSYSRRTTE
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                                                                 DSANATSLPVEFMPVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDG---
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RESULT 9
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US-11-251-465-20
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Matches
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SOFTWARE: PatentIn version 3.3
SEQ ID NO 20
LENGTH: 885
TYPE: PRT
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APPLICANT: Klaassen, Hubertus
TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify
TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
TITLE OF INVENTION: Inflammatory Diseases
FILE REFERENCE: P30,172-A USA
CURRENT APPLICATION NUMBER: US/11/251,465
CURRENT FILING DATE: 2005-10-14
PRIOR APPLICATION NUMBER: 60/619,384
PRIOR APPLICATION NUMBER: 60/619,384
PRIOR FILING DATE: 2004-10-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98 ---RAGRPA-----GTVHLLVDVPPEEPQ------LSCFRKSPLSNVVCEWGPRS 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         67 ---VHWLRDGQILELADSTQTQVPLGEDEQDDWIVVS-QLRITSLQLSDTGQYQCLVFLG 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    55 NATVHWV-----LRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCY----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 VGCALLAALLAAPG-AALAPRRCPAQEVA----RGVLTSLPGDSVTLTC----PGVEPED
  LGAVVAAACVLILALFLVHRRKKETRYGEVFEP---
                                                                                                                         RHVVQLRAQEE
                                                                                                                                                                    SATRINGSQAFVHWQEPRAPLQGTLLGYRLAYQGQD----TPEVLMDI-----GL
                                                                                                                                                                                                                                                                                                                                          PRNIHILVSROPTELEVANTPGLSGIYPLTHCTLOAVLSD------DGMGIQAGEPDPPE 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TPSLTTKAVLLVRKFQNSPAEDFQEPCQYSQESQKFSC------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MGRVPLAWCLALCGWACMAPRGTQAEESPFVGNPGNITGARGLTGTLRCQLQVQGEPPE-
                                                                                 RQEVTLELQGDGSVSNLTVCVAAYTAAGDGPWSLPVPLEAWRPVKEPSTPAFSWPWWYVL
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                                                                                                                                                                                                                                                                                                                                                                                     ----QLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGIL--QPDPPA 220
                                                                                                                                                                                                                                                                                                                                                                                                                                ---HGPQRSLHVP--GLNKTSSFSCEAHNAKGVTTSRTATITVLPQQ 227
                                        -TESRSPPAENEVSTPMQALTTNKDDDNILFR------
                                                                                                                                                                                                               ----LRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGL 286
                                                                                                                           -FGQGEWS-----EWSP-----EAMGTPW----
                                                                                                                                                                                                                                                                                                    ----TWQDPHSW----
  -TVERGELVVRYRVRKSYSRRTTE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn version 3.3 SEQ ID NO 20
                                                                                                                                           Matches
                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/622,711
PRIOR TILING DATE: 2004-10-27
PRIOR APPLICATION NUMBER: 60/717,209
PRIOR FILING DATE: 2005-09-16
NUMBER OF SEQ ID NOS: 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Kinch, Michael
APPLICANT: Carles-Kinch, Kelly
TITLE OF INVENTION: MODULATION OF ANTIBODY SPECIFICITY BY TAILORING THE AFFINITY
TITLE OF INVENTION: COGNATE ANTIGENS
FILE REFERENCE: EP700US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Dall'Acqua, William APPLICANT: Damschroder, Melis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/11/259,133
CURRENT FILING DATE: 2005-10-27
                                                                                                                                                                                                                                         NAME/KEY: CHAIN
LOCATION: (934)...(992)
OTHER INFORMATION: SAM Domain (Sterile alpha motif)
                                                                                                                                                                                                                                                                                                   LOCATION: (635)...
OTHER INFORMATION:
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: CHAIN LOCATION: (440)...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: (329)...
OTHER INFORMATION:
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NAME/KEY: BINDING
LOCATION: (31)...
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: CHAIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Ephrin receptor ligand binding domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OCATION:
                                                                                                                                                            Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           347 DSANATSLPVEFMPVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDG-------
                                                                                                                                           107;
85 SVQLHDSGNYSCYRAGRPAGTVHLLVDVPPEEPQLSCFR--KSPL-----SNVVCEW 134
                                                                                                 25 CPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWVLRKPAAGSHPSRWAGMGRRLLLR 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1005
                                                            CVACEL--GFYKSAPGDQLCARCP---PHSHSAA-----PAAQA---
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                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                   ON: Fibronectin
                                                                                                                                                                                                                                                                                                                                        .. (892)
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                                                                                                                                                                                                                                                                                                                      Tyrosine kinase,
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                                                                                                                                       4.5%; Score 128.5; DB 7;
19.1%; Pred. No. 0.12;
ative 74; Mismatches 164;
                                                                                                                                                                                                                                                                                                                                                                                                     type
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                                                                                                                                                                                                                                                                                                                        catalytic domain
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                                                                                                                                         Indels 215;
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                                                                                                                                                                                                                            ; LENGTH: 894
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-251-465-21
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US-11-251-465-21
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                                                                                                                                                          Best Local Sir
Matches 132;
                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 880
SOFTWARE: PatentIn version 3.3
SEQ ID NO 21
                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Brys, Reginald
APPLICANT: Vandeghinste, Nick
APPLICANT: Vandeghinste, Nick
APPLICANT: Tomme, Peter
APPLICANT: Tomme, Peter
TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
TITLE OF INVENTION: Inflammatory Diseases
FILE REFERENCE: 930,172-A USA
                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/11/251,465
CURRENT FILING DATE: 2005-10-14
PRIOR APPLICATION NUMBER: 60/619,384
PRIOR FILING DATE: 2004-10-15
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    98
                               67 --- VHWLRDGQILELADSTQTQVPLGEDEQDDWIVVS-QLRITSLQLSDTGQYQCLVFLG 122
                                                              55 NATVHWV-----LRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCY----
                                                                                                                            4 VGCALLAALLAAPG-AALAPRRCPAQEVA----RGVLTSLPGDSVTLTC----PGVEPED
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   ---RAGRPA-----GTVHLLVDVPPEEPQ------LSCFRKSPLSNVVCEWGPRS 138
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                                                                                              MGRVPLAWCLALCGWACMAPRGTQAEESPFVGNPGNITGARGLTGTLRCQLQVQGEPPE-
                                                                                                                                                                Conservative
                                                                                                                                                             4.4%; Score 127; DB 7; Length 894;
18.0%; Pred. No. 0.13;
vative 80; Mismatches 208; Indels 3
                                                                                                                                                             208; Indels 312;
                                                                                                                                                             Gaps
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US-11-251-465-65
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j OTHER INFORMATION: Protein domain
US-11-251-465-65
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                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 65, Application US/11251465 Publication No. US20060094061A1
 Query Match
Best Local Similarity
                                                                                         TYPE: PRT ORGANISM: Artificial Sequence
                                                                             FEATURE:
                                                                                                                            LENGTH: 440
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 4.2%;
 Score 120; DB 7;
Pred. No. 0.17;
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APPLICANT: Brys, Reginald
APPLICANT: Vandeghinste, Nick
APPLICANT: Tomme, Peter
APPLICANT: Klassen, Hubertus
TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
TITLE OF INVENTION: Inflammatory Diseases
FILE REFERENCE: 930,172-A USA
CURRENT APPLICATION NUMBER: US/11/251,465
CURRENT FILING DATE: 2005-10-14
PRIOR APPLICATION NUMBER: 60/619,384
PRIOR PILING DATE: 2004-10-15
NUMBER OF SEQ ID NOS: 880
SOFTWARE: PatentIn version 3.3
SEQ ID NO 65
FENORM: 440
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APPLICANT: Brys, Reginald
APPLICANT: Vandeghinste, Nick
APPLICANT: Tomme, Peter
APPLICANT: Klaassen, Hubertus
TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
TITLE OF INVENTION: Same, Useful In The Treatment of Joint Degenerative And
TITLE OF INVENTION: Inflammatory Diseases
FILE REFERENCE: 930,172-A USA
CURRENT APPLICATION NUMBER: US/11/251,465
CURRENT APPLICATION NUMBER: US/11/251,465
CURRENT FILING DATE: 2005-10-14
PRIOR APPLICATION NUMBER: 60/619,384
PRIOR FILING DATE: 2004-10-15
NUMBER OF SEQ ID NOS: 880
SOFTWARE: PatentIn version 3.3
SEQ ID NO 68
LENGTH: 449
TYPE: PRT
ORGANISM: Artificial Sequence
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US-11-251-465-68
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Matches
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358 AP 359
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                                                                                                                                                                                                                          Similarity
---VHWLRDGQILELADSTQTQVPLGEDEQDDWIVVS-QLRITSLQLSDTGQYQCLVFLG 122
                                              NATVHWV-----LRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCY----
                                                                                                                                               VGCALLAALLAAPG-AALAPRRCPAQEVA----RGVLTSLPGDSVTLTC----PGVEPED 54
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                                                                                                MGRVPLAWCLALCGWACMAPRGTQAEESPFVGNPGNITGARGLTGTLRCQLQVQGEPPE-
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                                                                                                                                                                                             4.2%; Score 120; DB 7; Length 449; llarity 20.9%; Pred. No. 0.17; Conservative 37; Mismatches 123; Indels 1
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                                                                                                                                                                                             123; Indels 174;
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US-11-183-325-56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/328123
PRIOR FILING DATE: 2001-10-03
PRIOR APPLICATION NUMBER: US 10/259,087
PRIOR FILING DATE: 2002-09-27
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PatentIn version 3.3
SEQ ID NO 56
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
4.2%; Score 119; DB 7;
Best Local Similarity 26.5%; Pred. No. 4.1;
Matches 65; Conservative 22; Mismatches 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 56, Application US/11183325
Publication No. US20060104898A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: P98160
DATABASE ENTRY DATE: 2003-02-28
RELEVANT RESIDUES: (1)..(4391)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Vanderbilt University APPLICANT: Hallahan, Dennis E APPLICANT: Qu, Shimian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 1242/47/2/2 CIP
CURRENT APPLICATION NUMBER: US/11/183,325
CURRENT FILING DATE: 2005-07-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Qu, Shimian TITLE OF INVENTION: IN VIVO PANNING FOR LIGANDS TO RADIATION-INDUCED MOLECULES FILE REFERENCE: 1242/47/2/2 CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
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  3340
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                                                                                                                                                                                                   3248 LRSPLPWQHRLE----GDTLIIPRVAQQDSGQYIC-NATSPAGHAEATIILHVESPPYAT 3302
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                                                                                                                                                                                                                                               62 LRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCYRAGRPAG----TVHLLVDVPP--- 114
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                                                                                                TVPEHASVQAGETVQLQCL-----AHGTPPLT-----FQWSRVGS-SL 333
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  PGRATARNELLHFERAAPE-DSGRY---RCRVTNKVGSAEAFAQ-----LLVQGPPGSL 3389
                                                                                                                                                                                                                                                                                                ALGTAQKQVEVIVDTGAMAP-GAPQVQAEEAELTVEAGHTATLRC-SATGSPAPTIHWSK 3247
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                                            PCQYSQESQKFSCQLAVPEGDSSFYIVSMC-VASSVGSKFSKTQTFQGCGILQPDPPANI 222
                                                                                                                                               -----EEPQLSCFRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDFQE 163
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CURRENT APPLICATION NUMBER: US/10/511,937
CURRENT FILING DATE: 2004-10-19
PRIOR APPLICATION NUMBER: PCT/US2003/012946
PRIOR FILING DATE: 2003-04-24
PRIOR APPLICATION NUMBER: US 10/131,831
PRIOR APPLICATION NUMBER: US 10/325,899
PRIOR FILING DATE: 2002-12-20
PRIOR FILING DATE: 2002-12-20
NUMBER OF SEQ ID NOS: 3117
SOFTWARE: Patentin version 3.2
SEQ ID NO 2988
LENGTH: 836
TYPE: PRI
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Search completed: June 29, 2006, 21:09:50 Job time : 22 secs
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US-10-511-937-2988
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APPLICANT: Ly, Ngoc
APPLICANT: Prentice, James
APPLICANT: Morris, MacDonald
APPLICANT: Morris, MacDonald
APPLICANT: Rosenberg, Steven
TITLE OF INVENTION: ABTHODS AND COMPOSITIONS FOR DIAGNOSING
TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
FILE REFERENCE: 506612000104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: EXPRESSION DIAGNOSTICS, INC. APPLICANT: Wohlgemuth, Jay
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                                                                                                                                                                                                                                                                      312 GTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRD-SANATSLPVEFMPVPPGEDS 367
                                                                                                                                                                                                                                                                                                                                                                                                                                                      259 AERSKTFTTWM-----VKDLQHH-CVIHDAWSGLRHVVQLRAQEEFGQGEWSEWSPEAM 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      215 PQLCLDPMDVVKLEPPMLRTMDPSPEAAPPQAGCLQLCWE---PWQPGLHINQKCELRHK 271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  204 KTQTFQGCGILQPDPPANITV----TAVARNPRWLSVTWQDPHSWNSSFY-RLRFELRYR 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      166 N-----COTOGDSILDCVPXDGOSHCC---IPRKHLLLYQNMGIWVQAENALGTSMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            156 SPAEDFQEPCQYSQES-----QKFSCQLAVPEGDSSFYI---VSMCVASSVGSKFS 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       116 ELRAGYPPAIPH------NLSCLMNLTTSSLICQWEPGPETHLPTSFTLKSFKSRG 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            97 -YRAGRPAGTVHLLVDVPPEEPQLSCFRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQN 155
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2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6_COMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7_COMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/iaa/H_COMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE_COMB.pep:*
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Sequence 24, Appl
Sequence 24, Appl
Sequence 24, Appl
Patent No. 51771840
Patent No. 5480796
Sequence 16, Appl
Sequence 9852, Ap
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Sequence 5, Appli
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	<ol><li>Appli</li></ol>	<ol><li>Appli</li></ol>	7, Appli	14, Appl	14, Appl	145, App	145, App	145, App	145, App	145, App	Patent No. 5510472	13, Appl	6, Appli	-	45, Appl	6, Appli		9, Appli	TIGGA 'K

### ALIGNMENTS

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; Sequence 8, Application US/09313942; Patent No. 6472179; Patent INFORMATION: GENERAL INFORMATION: APPLICANT: REGENERON PHARMACEUTICALS, INC.; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, ANTITLE OF INVENTION: AND USING FILE REFERENCE: REG 203-A; CURRENT APPLICATION NUMBER: US/09/313,942; CURRENT FILING DATE: 1999-05-19; PRIOR APPLICATION NUMBER: 09/313,942; PRIOR APPLICATION NUMBER: 60/101,858; PRIOR FILING DATE: 1999-05-19; PRIOR APPLICATION NUMBER: 60/101,858; PRIOR FILING DATE: 1998-09-25; NUMBER: OF SEQ ID NOS: 32; SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo s
US-09-313-942-8
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; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-8
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APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT PILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR PRILING DATE: 1999-09-22
PRIOR FILING DATE: 1999-09-22
PRIOR FILING DATE: 1999-09-22
PRIOR FILING DATE: 1999-09-22
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Best Local Similarity
Matches 391; Conserv
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PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPA
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Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (212)-997-1037
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 468 amino acids
TYPE: amino acid
TOPOLOGY: unknown
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MEDIUM TYPE: 3.5 inch disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MS-DOS EDITOR
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/795,473
FILING DATE: 11-FEB-1997
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NAME: Davidson, Clifford M.
REGISTRATION NUMBER: 32,728
REFERENCE/DOCKET NUMBER: 963.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)-997-1028
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: A Pharmaceutical Composition for Treating TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
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APPLICANT: Nahot, Orit
APPLICANT: Blum, Herbert E.
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GEWSBWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVEFGA
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                                                         PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ
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Pred. No. 4.1e-161;
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RESULT 4
US-09-439-856-5
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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APPLICANT: Nahot, Orit
APPLICANT: Blum, Herbert E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Davidson, Clifford M.
REGISTRATION NUMBER: 32,728
REFERENCE/DOCKET NUMBER: 963.1007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)-997-1028
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/79
FILING DATE: 11-FEB-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
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STREET: New York
STREET: New York
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Pred. No. 4.1e-161;
2; Mismatches 4;
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RESULT 6
5171840-2
;Patent No. 5171840
· APPLICANT: KISHIMOTO, TADAMITSU
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US-09-949-016-5959
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Best Local
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TYPE: PRT
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CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-09-08

PRIOR FILING DATE: 2000-09-08

PRIOR FILING DATE: 2000-09-08

PRIOR FILING DATE: 2000-09-08

PRIOR FILING DATE: 2000-09-08
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TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    y Match 65.8%;
Local Similarity 96.8%;
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pred. No. 4.1e-161;
2; Mismatches 4;
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OF DETECTION AND USES THEREOF
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APPLICANT: KISHIMOTO, TADAMITSU

ITITLE OF INVENTION: ANTIBODIES AGAINST THE RECEPTOR PROTEIN

POR HUMAN B CELL STIMULATORY FACTOR-2

INUMBER OF SEQUENCES: 8

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/907,650

PILING DATE: 02-JUL-1992

PRIOR APPLICATION NUMBER: 298,694
                                                                                                                                                                                                                                5480796-2
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NUMBER OF SEQUENCES: 11
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/298,694
FILING DATE: 19-JAN-1989
SEQ ID NO:2:
                                                                                                                                                                                                                                                                SEQ ID
                                                                                                                                                                Query Match
Best Local Similarity
Matches 360; Conserv
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Best Local Similarity
Matches 360; Conserv
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 CFRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQYSQESQKFSCQLAV 180
                                 VLRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCYRAGRPAGTVHLLVDVPPEEPQLS
                                                                                              MLAVGCALLAALLAAPGAALAPRRCPAGEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW
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llarity 96.8%;
Conservative
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Pred. No. 4.1e-161;
2; Mismatches 4;
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                                                                                                                                                                Score 1917; DB 7;
Pred. No. 4.1e-161;
2; Mismatches 4;
                                                                                                                                                                                                Length 468;
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; ORGANISM: Homo sapiens
US-09-313-942-15
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Patent No. 6472179
PATENTAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING TITLE OF INVENTION: AND USING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: FastSEQ for Windows Version SEQ ID NO 15
LENGTH: 360
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 355; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/313,942
CURRENT FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR PILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 32
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                                                                                                                                                                                                                                                                                            43
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                      GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVE 357
                                                                                                  PHSWNSSFYRLRFELRYRAERSKTFTTWMYKDLQHHCVIHDAWSGLRHVVQLRAQEBFGQ 300
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RESULT

US-10-282-162-15

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PATENT NO. 6927044

GENERAL INFORMATION: HARMACEUTICALS, INC.
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, ANI
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, ANI
TITLE OF INVENTION: AND USING
FILTE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FASTSBQ for Windows Version 3.0
SEQ ID NO 15
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5171840-7
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; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: RECEPTOR PROTEIN
;STIMULATORY FACTOR-2
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-15
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Best Local Sim:
Matches 355;
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                                                                                      Query Match
Best Local
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/
FILING DATE: 19-JAN-1989
                                                                                                                                                           LENGTH: 344
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                                                                     344;
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Similarity 99.4%;
55; Conservative
                                                                                      Similarity
                    MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVBPEDNATVHW '60
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 MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW
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                                                                     Conservative
                                                                 63.6%; Score 1852; DB 7;
100.0%; Pred. No. 1.4e-155;
live 0; Mismatches 0;
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Pred. No. 1.1e-160;
2; Mismatches 0;
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; Patent No. 5480796
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: ANTIBODIES AGAINST THI
; FOR HUMAN B CELL STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/907,650
; FILING DATE: 02-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 298,694
; FILING DATE: 19-JAN-1989
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5480796-7
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LENGTH: 344
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Best Local Similarity
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 GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNIL
                     GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNIL 344
                                                                 PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ
                                                                                               PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ
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                                                                                                                                                                                                                                                                                                                                                                                                         63.6%; Score 1852; DB 7; 100.0%; Pred. No. 1.4e-155; tive 0; Mismatches 0;
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RESULT 12 US-09-313-942-26

Sequence 26, Application Patent No. 6472179
GENERAL INFORMATION:

APPLICANT: REGENERON

PHARMACEUTICALS, INC

US/09313942

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RESULT 13
US-10-282-162-26
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   Sequence 26, Application US/10282162
Patent No. 6927044
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
APPLICANT: REGENERON PHARMACEUTICALS, INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING TITLE OF INVENTION: AND USING FILE REFERENCE: REG 203-A CURRENT APPLICATION NUMBER: US/09/313,942 CURRENT FILING DATE: 1999-05-19 PRIOR APPLICATION NUMBER: 09/313,942 PRIOR FILING DATE: 1999-05-19 PRIOR FILING DATE: 1999-05-19 PRIOR FILING DATE: 1999-05-19 PRIOR FILING DATE: 1998-09-15-19 PRIOR FILING DATE: 1998-09-25 NUMBER OF EQ ID NOS: 32 SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 26 LENGTH: 1158
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        AND METHODS OF MAKING
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Sequence 24, Application US/09313942
Patent No. 6472179
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS,
TITLE OF INVENTION: RECEPTOR BASED ANT
TITLE OF INVENTION: AND USING

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; TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION UMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/797,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
INUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 26
LENGTH: 1158
TYPE: PRT
ORGANISM: Homo sapiens
RESULT 14
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                                                           DASTWSQIPPEDTASTRSSFT-----VQD-----LKPFTEYV
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                                                                                                                       GKVTSDHINFDPVYKVKPNPPHNLSVINSEELSSILKLTWTNPSIKSVIILKYNIQYRTK
                                                                                                                                                      VKIITGLLEFEVYLEYLQN-----RFESSEGQARAVQMS-----TKVLIQFLQK
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                                                                                          KAKNLDAITTPDPTTNASLLTKLQAQNQWLQDMTTHLILRSFKEFL
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Sequence 24, Application US/10282162

Patent No. 6927044

GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, ANI
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-B-US
CURRENT FILING DATE: 2002-10-28
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: 90/787,835
PRIOR APPLICATION NUMBER: 90/787,835
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 15
US-10-282-162-24
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SEQ ID NO 24
LENGTH: 1168
TYPE: PRT
ORGANISM: Homo sapiens
US-09-313-942-24
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-24
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CURRENT APPLICATION NUMBER: US/09/313,
CURRENT FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
                                                               Best Local Similarity Matches 330; Conserv
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Best Local Similarity 99.7%;
Matches 330; Conservative
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                                                             Score 1783; DB 2;
Pred. No. 1.3e-148;
1; Mismatches 0;
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Pred. No. 1.3e-148;
1; Mismatches 0; Indels 0
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Maximum DB seq length: 200000000
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1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*

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US-11-124-114-8
US-11-124-143-12
US-10-756-149-5377
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US-10-287-162-15
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Result

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GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNILFRDSANATSLPVE---

357 300 300 240

PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ

PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ

PEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGILQPDPPANITVTAVARNPRWLSVTWQD CFRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQYSQESQKFSCQLAV

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Conservative

95.8%; 96.1%;

Score 2789; DB 5; Pred. No. 9.4e-212; 0; Mismatches 12;

Length 569; Indels

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Gaps

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1783 61.2 11.68 6 US-11-134-114-24 1783 61.2 11.68 6 US-11-134-114-24 1683 57.8 31.5 3 US-09-313-942-16 1683 57.8 31.5 4 US-02-87-035-16 1683 57.8 31.5 4 US-10-287-035-16 1683 57.8 31.5 4 US-10-287-035-16 1683 57.8 31.5 4 US-10-287-162-16 1683 57.8 31.5 4 US-10-287-162-16 1683 57.8 31.5 4 US-10-287-162-16 1683 57.8 31.5 4 US-10-287-162-16 1683 57.8 31.5 4 US-10-287-463-13 108-11-134-114-114 108-11-132-166-103 108-11-104-104-104 108-11-104-104-104 108-11-104-104-104 108-11-104-104-104 108-11-104-104-104 108-11-104-104-104 108-11-104-104-104-13 108-11-104-104-13 108-11-104-104-13 108-11-104-104-13 108-11-104-104-13 108-11-104-104-164-61	45	44	43	42	41	40	39	38	37	36	35	34	ω ω	32	31	30	29	Δ,
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ALIGNMENTS

### ; OTHER INFORMATION: IL-6 fusion protein US-10-485-545A-14 SOFTWARE: SeqWin99, version 1.02 SEQ ID NO 14 LENGTH: 569 TYPE: PRT Sequence 14, Application US/10485545A Publication No. US20050064558A1 GENERAL INFORMATION: FILE REFERENCE: P102803PCT CURRENT APPLICATION NUMBER: US/10/485,545A CURRENT FILING DATE: 2004-02-02 APPLICANT: University College Cardiff APPLICANT: University of Wales College TITLE OF INVENTION: A Fusion Protein PRIOR APPLICATION NUMBER: 0119015.6 PRIOR FILING DATE: 2001-08-03 NUMBER OF SEQ ID NOS: 15 ORGANISM: Artificial Sequence FEATURE: of Medicine

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Sequence 8, Application US/09313942
Publication No. US20020012962A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-A
CURRENT PILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
CURRENT FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 00/313,942
PRIOR APPLICATION NUMBER: 00/101,858
PRIOR PILING DATE: 1999-05-5
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 8
LENGTH: 592
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Best Local Similarity 72.8
Matches 391; Conservative
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 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKP----
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                                  -AGLVLGGQ----FMPVPPGEDSKDVAAPHRQPL-----TSSER 393
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GENERAL INFORMATION:

APPLICANT: Regeneron Pharmaceuticals, Inc

TITLE OF INVENTION: Receptor Based Antagonists, and

FILE REFERENCE: REG 203D

CURRENT APPLICATION NUMBER: US/09/935,868

CURRENT FILING DATE: 2002-04-11

PRIOR APPLICATION NUMBER: DET/US99/22045

PRIOR FILING DATE: 1999-09-22

NUMBER OF SEQ ID NOS: 52

SOFTWARE: Patentin version 3.0

SEQ ID NO 8

LENCTH: 592

TYPE: PRT

ORGANISM: Homo sapiens

US-09-935-868-8
RESULT 4
US-10-287-035-8
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US-09-935-868-8
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                                                                   PIEKTISKAKGOPREPOVYTLPPSRDELTKNOVSLTCLVK---GFYPSDIAVEWESN
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Sequence

8, Application US/10287035

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CURRENT APPLICATION NUMBER: US/10/287,035
CURRENT FILING DATE: 2002-11-01
PRIOR APPLICATION NUMBER: USSN 09/935,868
PRIOR FILING DATE: 2001-08-23
PRIOR APPLICATION NUMBER: USSN 09/787,835
PRIOR APPLICATION NUMBER: USSN 09/787,835
PRIOR APPLICATION NUMBER: USSN 09/313,942
PRIOR APPLICATION NUMBER: USSN 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR NUMBER: 60/101,858
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 60
SOFTWARE: FastSEQ for Windows Version 3.0
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Sequence 8, Application US/10282162
Publication No. US20030143697A1
GENERAL INFORMATION:
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Best Local Similarity
Matches 391; Conserv
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LENGTH: 592
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TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS,
TITLE OF INVENTION: AND USING
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ORGANISM: Homo sapiens
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                                                                                                                                                                            TCLVKIITGLLEFEVYLEYLON 472
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RESULT 6
US-11-134-114-8
; Sequence 8, Application US/11134114
; Publication No. US20050222033A1
; GENERAL INFORMATION:
; APPLICANT: Stahl, Neil
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: Receptor Based Antagonists and
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING FILE REFERENCE: REG 203-B-US CURRENT APPLICATION NUMBER: US/10/282,162 CURRENT FILING DATE: 2002-10-28 PRIOR APPLICATION NUMBER: 09/787,835 PRIOR APPLICATION NUMBER: 09/87,835 PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR DATE: 1999-09-22 PRIOR PRIOR DATE: 1999-09-22 PRIOR PRIOR DATE: 1999-09-22 PRIOR PRIOR DATE: 1999-09-22 PRIOR PRIOR DATE: 1999-09-22
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ORGANISM: Homo
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Pred. No. 1.6e-143;
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APPLICANT: REGENERON PHARMACEUTICALS,
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FILE REFERENCE: 203C1
CURRENT APPLICATION NUMBER: US/11/134,114
CURRENT FILING DATE: 2005-05-20
PRIOR APPLICATION NUMBER: 10/282,162
PRIOR FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 2001-03-22

Methods of Making and Using

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PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 8
LENGTH: 592
TYPE: PRT
ORGANISM: Homo sapiens
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US-10-247-463-12
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                                                                                                                                                                                                                                                                                        Sequence 12, Application US/10247463 Publication No. US20030082734A1 GENERAL INFORMATION:
APPLICANT: Timans, Jacqueline C.
APPLICANT: Timans, Jacqueline C.
APPLICANT: Gorman, Daniel M.
APPLICANT: Kastelein, Robert A.
APPLICANT: Bazan, J. Fernando
TITLE OF INVENTION: Mammalian Receptor Proteins, Related Reagents and
TITLE OF INVENTION: Mammalian Receptor Proteins, Related Reagents and
TITLE OF INVENTION: Methods
FILE REFERENCE: DX0992Q
CURRENT APPLICATION NUMBER: US/10/247,463
CURRENT APPLICATION NUMBER: US/09/588,113
PRIOR APPLICATION NUMBER: US/09/588,113
PRIOR FILING DATE: 2000-05-31
NUMBER OF SEQ ID NOS: 13
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Best Local Similarity
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72.8%;
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Pred. No. 1.6e-143;
7; Mismatches 56;
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RESULT 8
US-10-756-149-5377
| Sequence 5377, Application US/10756149
| Publication No. US20050181375A1
| GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                      APPLICANT: AZIZ, NATASHA
APPLICANT: AZIZ, NATASHA
APPLICANT: Zlotnik, Albert
APPLICANT: TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
FILE REFERENCE: file
CURRENT APPLICATION NUMBER: US/10/756,149
CURRENT FILING DATE: 2004-01-12
NUMBER OF SEQ ID NOS: 5818
SOPTWARE: Patentin version 3.2
SEQ ID NO 5377
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Best Local Similarity
Matches 360; Conserv
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SEQ ID NO 12
LENGTH: 468
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Best Local Similarity
Matches 360; Conserv
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Pred. No. 7.8e-143;
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Pred. No. 7.8e-143;
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US-11-016-106-12
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US-11-016-106-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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APPLICANT: Timans, Jacqueline C.
APPLICANT: Gorman, Daniel M.
APPLICANT: Kastelein, Robert A.
APPLICANT: Bazan, J. Fernando
TITLE OF INVENTION: Mammalian Receptor Proteins; Related Reagents and
TITLE OF INVENTION: Methods
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CURRENT FILING DATE: 2004-12-17
PRIOR APPLICATION NUMBER: PRIOR APPLICATION NUMBER: US/09/588,113
PRIOR FILING DATE: 2000-05-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: DX0992Q
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TYPE: PRT
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Local Similarity 96.8%;
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Pred. No. 7.8e-143;
2; Mismatches 4;
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APPLICANT: Regeneron Pharmaceuticals, Inc
TITLE OF INVENTION: Receptor Based Antagonists, and
FILE REFERENCE: REG 203D
CURRENT APPLICATION NUMBER: US/09/935,868
CURRENT FILING DATE: 2002-04-11
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 52
SOFTWARE: Patentin version 3.0
SEQ ID NO 15
LENGTH: 360
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; TYPE: PRT
; ORGANISM: Homo &
US-09-313-942-15
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CURRENT APPLICATION NUMBER: US/09/313,942
CURRENT FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 15
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                                                                                                                                                                                                                      Sequence 15, Application US/09935868 Patent No. US20020164690A1 GENERAL INFORMATION:
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Publication No. US20020012982A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS,
TITLE OF INVENTION: AND USING
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Pred. No. 1.9e-142;
2; Mismatches 0;
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RESULT 12

US-10-287-035-15

i Sequence 15, Application US/10287035

publication No. US20030104567A1

i GENERAL INFORMATION:
APPLICANT: Neil Stahl and George D. Yancopoulos
ITITLE OF INVENTION: RRCEPTOR BASED ANTAGONISTS, ANI
ITITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203DA
CURRENT FILING DATE: 2002-11-01
PRIOR APPLICATION NUMBER: USSN 09/935,868
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: USSN 09/787,835
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: USSN 09/313,942
PRIOR APPLICATION NUMBER: USSN 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR FILING DATE: 1999-05-19
PRIOR FILING DATE: 1999-05-19
PRIOR FILING DATE: 1999-05-19
PRIOR FILING DATE: 1998-09-25

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Best Local Similarity
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SOFTWARE: FASTSEQ for Windows Version
SEQ ID NO 15
LENGTH: 360
                                                                                                                                                                        Query Match 65.6%;
Best Local Similarity 99.4%;
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US-10-282-162-15
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Publication No. US20030143697A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-B-US
                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 355; Conserv
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SOFTWARE: FASTSEQ for Windows Version
SEQ ID NO 15
LENGTH: 360
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CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR EILING DATE: 1999-09-22
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Pred. No. 1.9e-142;
2; Mismatches 0;
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RESULT 14 US-11-134-114-15

Sequence 15,

Application US/11134114

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APPLICANT: University College Cardiff
APPLICANT: University of Wales College of Me
FITTLE OF INVENTION: A Fusion Protein
FILE REFERENCE: P102803PCT
CURRENT APPLICATION NUMBER: US/10/485,545A
CURRENT FILING DATE: 2004-02-02
PRIOR APPLICATION NUMBER: 0119015.6
PRIOR PILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 15
SOFTWARE: SeqWin99, version 1.02
SEQ ID NO 11
LENGTH: 468
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US-10-485-545A-11
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 10/282,162
PRIOR FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 203C1
CURRENT APPLICATION NUMBER: US/11/134,114
CURRENT FILING DATE: 2005-05-20
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APPLICANT: Yancopoulos, George D.
TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
TYPE: PRT
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Pred. No. 1.9e-142;
2; Mismatches 0;
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Best Local Similarity 96.2
Matches 358; Conservative
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Pred. No. 1.4e-141;
2; Mismatches 6;
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Maximum DB seq
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length: 2000000000
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Match
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Listing first 45 summaries
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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Biocceleration Ltd
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DВ
                               US-10-505-928-453
US-10-511-937-2489
US-10-449-902-38075
US-10-449-902-38075
US-11-296-155-32
US-11-296-155-32
US-11-291-134-8
US-11-251-465-21
US-11-251-465-65
US-11-251-465-68
US-11-183-325-56
US-11-183-325-56
US-11-184-999-149
US-11-154-977-81
US-11-254-977-81
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US-11-263-937-2988
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                               20, Appl
21, Appl
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432, App
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2489, Ap
11, Appl
38075, A
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Sequence 453, Application VS/10505928

Publication No. US20060088532A1

GENERAL INFORMATION:
APPLICANT: Ludwig Institute for Cancer Research et al.
ITITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REFERENCE: 28967/39178

CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR FILING DATE: 2002-03-07

NUMBER OF SEQ ID NOS: 866
SOFTWARE: Patentin 3.2
SEQ ID NO 453
LENGTH: 212
TYPE: PRT
ORGANISM: Homo sapiens
US-10-505-928-453
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RESULT 2
US-10-511-937-2489
; Sequence 2489, Application US/10511937
; Publication No. US2006008836A1
; GENERAL INFORMATION:
; APPLICANT: EXPRESSION DIAGNOSTICS, INC.
; APPLICANT: Wohlgemuth, Jay
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 32.5%;
Best Local Similarity 95.0%;
Matches 192; Conservative
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Pred. No. 2.6e-65;
0; Mismatches
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Gaps

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RESULT 3
US-10-933-854-11
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US-10-511-937-2489
                                                                                                                                                                                                              APPLICANT: GTC Blotherapeutics, Inc.
APPLICANT: Meade, Harry
APPLICANT: Meade, Harry
APPLICANT: Cox, Geoffrey F.
TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal
TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal
TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal
TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal
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TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal
TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal
TITLE OF INVENTION: Method for the Produc
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SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 2489
LENGTH: 212
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Best Local Similarity 95.0%;
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APPLICANT: ROSENDERY, Steven
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
FILE REFERENCE: 506612000104
CURRENT APPLICATION NUMBER: US/10/511,937
CURRENT FILING DATE: 2004-10-19
CURRENT FILING DATE: 2004-10-19
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PRIOR FILING DATE: 2003-04-24
PRIOR APPLICATION NUMBER: US 10/131,831
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: US 10/325,899
PRIOR FILING DATE: 2002-12-20
OTHER INFORMATION: Human a Interferon Variant 2A PUBLICATION INFORMATION: DATABASE ACCESSION NUMBER: Genbank/EMBL/DDBJ Accession DATABASE ENTRY DATE: 1993-12-03
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                                                                                                                      FEATURE: misc_feature
                                                                                                                                                                                       ORGANISM: Homo sapiens
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Pred. No. 2.6
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US-10-449-902-38075
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PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 38075
LENGTH: 368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 106; Conserv
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Publication No. US20060123505A1
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
REIGR APPLICATION NUMBER: JP 2002-203269
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                                                                                           241 PHSW-NSSFYRLRFELRYRAERSKTFTTWMVKDLQHHC-----VIHDAWSGLRHVVQ 291
                                                                                                                                                                                                                                                                                   121 KGFYCSWHLPSPTFIPNTFNVTVLHGSKLLGCEKDPA-----PKNRCHIRYT
                                                                                                                                                                                                                                                                                                                                               128 SNVVCEW---GPRSTPSLTTKAVLLVRKF---QNSPAEDFQEPCQYSQESQKFSCQLAVP 181
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        72 SRWAGMGRRLLLRSVQLHDSGNYSCYRAG----RPAGTVHLLVDVPPEEPQLSCFRKSPL 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12 VLAAGVVAYAQRH---SQQDTHVLYERLGSDVTLPC-GTAAWGTAVTWRVNGTDLEAAHY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12 LLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWVLRKPAAGSHP
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                                                                                                                                                                                                     EGDSSF-YIVSMCVASSVGSKFSKTQTFQGCGILQPDPPANITVTAVARNPRWLSVTWQD 240
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Pred. No. 2.6e-65;
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; TYPE: PRT
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US-11-296-092-32
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Publication No.
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CURRENT FILING DATE: 2005-12-07
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APPLICATION NUMBER: 60/069,694
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FILING DATE: December 16, 1997
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APPLICATION NUMBER: 60/069,278
FILING DATE: December 11, 1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/069,425
FILING DATE: December 12, 1997
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62 LRKPAAGSHPSRWAGMGRRL---
                                                                                                                              99;
                                                                                                                                                Similarity
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                                                                                    LLAALLAAPGA-----ALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWV
                                       LLLCVLGAPRAGSGAHTAVISPQDP-----TLLIGSSLLATC-----SVHG-
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                                                                                                                         ; Score 201; DB 7; Length 422;
; Pred. No. 6.2e-08;
51; Mismatches 151; Indels 100;
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--LLRSVQLHDSGNYSCY-RAGRP 102
                                                                                                                       Gaps
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NUMBER OF SEQ ID
SEQ ID NO 32
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APPLICANT: Baker, K
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                                                         PRIOR FILING DATE: December 16, 1997 PRIOR APPLICATION NUMBER: 60/069,870 PRIOR FILING DATE: December 17, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: P254891C1
CURRENT APPLICATION NUMBER: US/11/296,155
CURRENT FILING DATE: 2005-12-06
PRIOR APPLICATION NUMBER: US/09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
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PRIOR FILING DATE: December 12, 1997
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Hillan, Kenneth
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Tumas, Daniel
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                      Application data
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US-11-297-134-8
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Publication No. US20060111297A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 8
LENGTH: 229
                                                                                                                                                                                                                               Matches
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CURRENT FILING DATE: 2005-12-08
PRIOR APPLICATION NUMBER: PCT/US2005/018461
PRIOR FILING DATE: 2004-06-09
PRIOR APPLICATION NUMBER: US 60/477,291
PRIOR FILING DATE: 2003-06-09
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Patentin version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Genzyme Corporation
APPLICANT: Roberts, Bruce
TITLE OF INVENTION: BLOOD FACTOR DOMAINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: 5270C
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ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
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             216 PDPPANITVTAVARNPRWLSVTWQDPHSWN-SSFYRLRFELRYRAERSKTF-----T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           346 PGGGACEPRGGEPSSGPVRRELKQFLGWLKKHAYCSNLSFR 386
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        211 CGILQPDPPANITVTAVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTWMV
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                                                                                              157 PAEDFQEPCQYSQBSQKFSCQLA-VPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGILQ 215
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                                                                                                                                                                               98 RAGRPAGTVHLLVDVPPEEPQLSC-FRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQNS
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                                                      AARGHSWPC-LQQTPTSTSCTITDVQLFSMAPYVLNVTAVHPWGSS-SSFVPFITEHIIK 128
                                                                                                                                         RKGPPAALT-----LPRVQCRASRYPIA-VDCSWTLPPAPNSTSPVSFIATYRLGM 70
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24.7%; Pred. No. 6.2e-08;
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                                                                                                                                                                                                                                               Score 139; DB 7; Length 229; Pred. No. 0.0014;
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CURRENT APPLICATION NUMBER: US/10/505,928

CURRENT FILING DATE: 2004-08-27

PRIOR APPLICATION NUMBER: US 60/363,019

PRIOR PILING DATE: 2002-03-07

NUMBER OF SEQ ID NOS: 866

SOFTWARE: PATENTIAL 3.2

LENGTH: 885

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US-10-505-928-432
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           392 ERIDKQIRYILDGISALRKETCNKSNMCESSKEALAENNLNLPKMAEKDG-CFQSGFNEE 450
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                                                      ATLNSLGISEELKEKLRDVMVDRHKVALGKTLGEGBFGAVMEGQLNQD--------
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o. US20060088532A1
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                                                                                              -EFGAGLVLG-GOFMPVPPGEDSKDVAAPHRQPLTSS 391
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-251-465-20
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US-11-251-465-20
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APPLICANT: Vandeghinste, Nick
APPLICANT: Tomme, Peter
APPLICANT: Tomme, Peter
APPLICANT: Klaassen, Hubertus
TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify
TITLE OF INVENTION: Inflammatory Diseases
FILE REFERENCE: P30,172-A USA
CURRENT APPLICATION NUMBER: US/11/251,465
CURRENT APPLICATION NUMBER: US/11/251,465
CURRENT APPLICATION NUMBER: 05/619,384
PRIOR APPLICATION NUMBER: 60/619,384
PRIOR FILING DATE: 2004-10-15
NUMBER OF SEQ ID NOS: 880
SOFTWARE: Patentin version 3.3
SEQ ID NO 20
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LGAVVAAACVLILALFLVHRRKKETRYGEVFEP----TVERGELVVRYRVRKSYSRRTTE 501
                                                                                                                                                              SATRNGSQAFVHWQEPRAPLQGTLLGYRLAYQGQD----TPEVLMDI------GL
                                                                                                                                                                                                                                               EPLTSQASVPPHQLRLGSLHPHTPYHIRVACTSSQGPSSWTHWLPVETPEGVPLGPPENI 340
                                                                                                                                                                                                                                                                                          NITVTAVARNPRWLSV----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ---RAGRPA----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ---VHWLRDGQILELADSTQTQVPLGEDEQDDWIVVS-QLRITSLQLSDTGQYQCLVFLG
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                                                                                                                       RHVVQLRAQEE----
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                                                                            RQEVILELOGDGSVSNLTVCVAAYTAAGDGFWSLPVPLEAWRPVKEPSTPAFSWPWWYVL 445
                                                                                                                                                                                                                                                                                                                             PRNLHLVSRQPTELEVAWTPGLSGIYPLTHCTLQAVLSD-----DGMGIQAGEPDPPE
                                                                                                                                                                                                                                                                                                                                                                    ----QLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGIL--QPDPPA 220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -GTVHLLVDVPPEEPQ------LSCFRKSPLSNVVCEWGPRS
                                    --TESRSPPAENEVSTPMQALTTNKDDDNILFR-----DS
                                                                                                                                                                                                     ----LRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGL 286
                                                                                                                       ----FGQGEWS-----EWSP-----EAMGTPW----
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RESULT 10
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US-11-251-465-21
Sequence 21, Application US/11251465
Publication No. US20060094061A1
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; ORGANISM: Homo
US-11-251-465-21
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APPLICANT: Brys, Reginald
APPLICANT: Vandeghinste, Nick
APPLICANT: Tomme, Peter
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 4.4%; Score 129; DB 7; Length 894; Best Local Similarity 18.3%; Pred. No. 0.053; Matches 133; Conservative 76; Mismatches 226; Indels 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And TITLE OF INVENTION: Inflammatory Diseases
FILE REFERENCE: P30,172-A USA
CURRENT APPLICATION NUMBER: US/11/251,465
CURRENT FILING DATE: 2005-10-14
PRIOR APPLICATION NUMBER: 60/619,384
PRIOR FILING DATE: 2004-10-15
NUMBER OF SEQ ID NOS: 880
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386 RQEVTLELQGDGSVSNLTVCVAAYTAAGDGPWSLPVPLEAWRPGQAQPVHQLVKEPSTPA
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                                         RHVVQLRAQEE----
                                                                                  SATRNGSQAFVHWQEPRAPLQGTLLGYRLAYQGQD----TPEVLMDI---
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                                         ---FGQGEWS-----EWSP-----
                                                                                                                       LRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGL
                                                                                                                                                                                                         -----TWQDPHSW-----
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US-11-251-465-65
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SOFTWARE: Patentin version 3.3
SEQ ID NO 65
LENGTH: 440
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Best Local Similarity
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CURRENT FILLING DATE: 2005-10-14
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PRIOR FILING DATE: 2004-10-15
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                                                                                                                                               139 TPSLTTKAVLLVRKFQNSPAEDFQEPCQYSQESQKFSC---------
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                      PRNLHLVSRQPTELEVAWTPGLSGIYPLTHCTLQAVLSD----
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Tomme, Peter
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                                                           QLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGIL--QPDPPA 220
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Pred. No. 0.099;
7; Mismatches 123
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US-11-251-465-68
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SOPTWARE: Patentin version 3.3
SEQ ID NO 68
LENGTH: 449
TYPE: PRT
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Publication No. US20060094061A1
GENERAL INFORMATION:
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Best Local Similarity
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TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify
TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
TITLE OF INVENTION: Inflammatory Diseases
FILE REFERENCE: P30,172-A USA
CURRENT APPLICATION NUMBER: US/11/251,465
CURRENT FILING DATE: 2004-10-15
PRIOR APPLICATION NUMBER: 60/619,384
PRIOR FILING DATE: 2004-10-15
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320 SP 321
                                                                                                                                                                     221 NITVTAVARNPRWLSVTWODPHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLOHHCVIH
                                                                                                                                                                                                                                                                                              178 VPLATAPG-----HGPQRSLHVP--GLNKTSSFSCEAHNAKGVTTSRTATITVLPQQ 227
                                                                                                                                                                                                                                                                                                                                        139 TPSLTTKAVLLVRKFQNSPAEDFQEPCQYSQESQKFSC-------
                                                                                                                                                                                                                                                                                                                                                                                  123 HQTFVSQPGYVGLEGLPYFL----EEPEDRTVAANTPFNLSCQAQGPPEPVDLLWLQDA 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4.1%; Score 120; DB 7; I al Similarity 20.9%; Pred. No. 0.1; 88; Conservative 37; Mismatches 123;
                                                                                                                                                                                                                                                                                                                                                                                                                            98 ---RAGRPA-----GTVHLLVDVPPEEPQ------LSCFRKSPLSNVVCEWGPRS 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    67 --- VHWLRDGQILELADSTQTQVPLGEDEQDDWIVVS-QLRITSLQLSDTGQYQCLVFLG 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                55 NATVHWV------LRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSCY----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 VGCALLAALLAAPG-AALAPRRCPAQEVA----RGVLTSLPGDSVTLTC----PGVEPED
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                                                                                 DAWSGLRHVVQLRAQEEFGQGEWSEW----SPEA--MGTP---
                                                                                                                             E-PLTSQASVP-----PH-----QLR----
                                         ----IRVACTSSQGPSSWTHWLPVETPEGVPLGPPENISATRNGSQAFVHWQEPR 357
                                                                                                                                                                                                               PRNLHLVSRQPTELEVAWTPGLSGIYPLTHCTLQAVLSD-----DGMGIQAGEPDPPE 280
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                                                                                                                                                                                                                                                    -QLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGIL--QPDPPA 220
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Publication No. US20060104898A1
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                                                                                                                                                                                                                                                        Sequence 2424, Application US/10511937 Publication No. US20060088836A1
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ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: P98160
DATABASE ENTRY DATE: 2003-02-28
RELEVANT RESIDUES: (1)..(4391)
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                                                                                                                                                                                      APPLICANT: EXPRESSION DIAGNOSTICS, APPLICANT: Wohlgemuth, Jay
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CURRENT FILING DATE: 2005-07-15
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                    APPLICANT: Morris, MacDonald
APPLICANT: Rosenberg, Steven
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
                                                                                 APPLICANT:
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REFERENCE: 506612000104
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Woodward, Robert
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Fry, Kirk
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Prentice, James
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NUMBER OF SEQ ID NOS: 3117
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2424
LENGTH: 635
                                                                                                                                                                                                                                                                                                                          Sequence 20, Application US/11259133 Publication No. US20060121042A1
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Best Local Similarity
                  CURRENT APPLICATION NUMBER: US/11/259,133
CURRENT FILING DATE: 2005-10-27
PRIOR APPLICATION NUMBER: 60/622,711
PRIOR FILING DATE: 2004-10-27
PRIOR PILING DATE: 2004-10-27
PRIOR APPLICATION NUMBER: 60/717,209
PRIOR APPLICATION NUMBER: 60/717,209
PRIOR FILING DATE: 2005-09-16
                                                                                                                                                                APPLICANT: Carles-Kinch, Kelly
TITLE OF INVENTION: MODULATION OF ANTIBODY SPECIFICITY BY TAILORING THE AFFINITY
TITLE OF INVENTION: COGNATE ANTIGENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT FILING DATE: 2004-10-19
PRIOR APPLICATION NUMBER: PCT/US2003/012946
PRIOR PILING DATE: 2003-04-24
PRIOR APPLICATION NUMBER: US 10/131,831
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: US 10/325,899
                                                                                                                                                                                                                                    APPLICANT: Dall'Acqua, William
APPLICANT: Damschroder, Melis
APPLICANT: Kinch, Michael
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CURRENT FILING DATE: 2004-10-19
                                                                                                                                                     FILE REFERENCE: EP700US
    NUMBER OF
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                                                                                                                                                                                                                                                                                                        INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             140 PSLTTKAVLLVRKFQNSPAEDFQ--EPCQYSQESQKFSCQLAVPE-----GDSSFY 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        250 NSYWLQLRSEPDGISLGGSWGSWSLPVTVDLPGDAVALGLQCFTLD-LKNVTCQWQQQDH 308
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SEQ ID NOS: 205
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IV-----SMCVASSVGSKFSKTOTFOGCGILOPDPPANITVTAVARNPRW-----LS 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GNYSCYRAGRPAG-----TVHLLVDVPPEEPQ--LSCFRKSPLSNVVCEWGPRST 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      --PLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKEALAENNLNLPKMAEK 439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NKDDDNILFRDSANATSLPVEFGAGLVLG-----GQFMPVPPGEDSKDVAAPHRQ-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LEWQHPSSWAAQ--ETCYQLRYTGEG-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ILVEVTTAPGTVHSYLGSPFWIHQ----AVRLPTP
                                                                                                                                                                                                                    Carles-Kinch, Kelly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -----RHVVQLRAQ--EEFGQGEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ----VTALHLVLĞLSAVLĞLLLLRWQF-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3.9%;
                                                                                                                                                                                                                                                               Melissa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 114.5; D
Pred. No. 0.43;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches 150;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels 173;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          --HQDWKVLEPPLGARGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -NLHWREISSGHLE 407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ---PAHYRRLRHAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               635;
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SEQ ID NO 20 LENGTH: 1005 TYPE: PRT

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NAME/KEY: CHAIN
LOCATION: (934)...(992)
OTHER INFORMATION: SAM Domain (Sterile alpha motif)
US-11-259-133-20
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NAME/KEY: BINDING
LOCATION: (31)...(204)
OTHER INFORMATION: Ephrin receptor ligand binding domain
PEATURE:
NAME/KEY: CHAIN
LOCATION: (191)...(325)
OTHER INFORMATION: cysteine-rich region
PEATURE:
NAME/KEY: CHAIN
LOCATION: (329)...(424)
OTHER INFORMATION: Fibronectin type 3 domain
PEATURE:
PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 3.9%; Score 114.5; DB 7; Length 1005; Best Local Similarity 19.5%; Pred. No. 0.79; Matches 109; Conservative 71; Mismatches 175; Indels 205;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: CHAIN
LOCATION: (635)...(892)
OTHER INFORMATION: Tyrosine kinase, catalytic domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: CHAIN
LOCATION: (440)...(531)
OTHER INFORMATION: Fibronectin type 3 domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
                                           635 --IHIEKI-----IGSGDSGEVCYGRLRVPGQRDVPVAIKALKAGY--TERQRRDFLSE 684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 191 SMCVASSVGSKFSKTQT-----
488 TKVLIQFLQKKAKNLDAITT 507
                                                                                         429 NNLNLPKMAEKDGCFQSGFNEETCLVKI-ITGLLEFEVYLEYLQNRFESSEEQARAVQMS 487
                                                                                                                                     373 PGE--DSKDVAAPH--RQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKEALAE 428
                                                                                                                                                                                                                          544 VWICLTLITGLVVLLLLLICKKRHCGYSKAFQDSDEE---KWHYQNGQAPPPVFLPLHHP
                                                                                                                                                                                                                                                                 331 MQALTTNKDDDNIL--------FRDSANATSLPVEFGAGLVLGGQFMPV--P 372
                                                                                                                                                                                                                                                                                                             491 KAVITRATVSGLKPGTRYVPOVRARTSAGCGRPS----QAME---VETGKPRPRYDTRTI 543
                                                                                                                                                                                                                                                                                                                                                    271 KDLQHHCVIHDAWSGLRHVVQLRAQEEFGQGEWSEWSPEAMGTPWTESRSPPAENEVSTP 330
                                                                                                                                                                                                                                                                                                                                                                                                  434 TTNQAAPSQVVVIRQERAGQTSVSLLWQEPEQPNGII--LEYEIKY-YEKDKEMQSYSTL 490
                                                                                                                                                                                                                                                                                                                                                                                                                                              223 TV-----TAVARNPR----WLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTW-MV 270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          374 SRCEACGSGTRFVPQQTSLVQASLLVANLLAHMNYSFWIEAVNGVSDLSPEPRRAAVVNI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 349 APPLDPGGRSDITYNAV-----L 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           135 GPRSTP----SLTTKAVLLVRKFQNSPAEDFQEPCQYSQESQKFSCQLAVPEGDSSFYIV 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       307 --- CHCDLSY--YRAAL-------DPPSSACTRPPSAPVNLISSVNGTSVTLEW 348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              273 CVACEL--GFYKSAPGDQLCARCP---PHSHSAA-----PAAQA------- 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                85 SVQLHDSGNYSCYRAGRPAGTVHLLVDVPPEEPQLSCFR--KSPL-----SNVVCEW 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25 CPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWVLRKPAAGSHPSRWAGWGRRLLLR 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            433
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                                                                                                                                     634
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685 ASIMGQFDHPNIIRLEGVVT 704

Search completed: June 29, 2006, 21:25:05 Job time: 21 secs